

Talk to Your Planners About... Sustainability

Timothy David Crawshaw MRTPI FRSA

Associate Consultant APSE Energy

Chair of the Tees Valley Nature Partnership



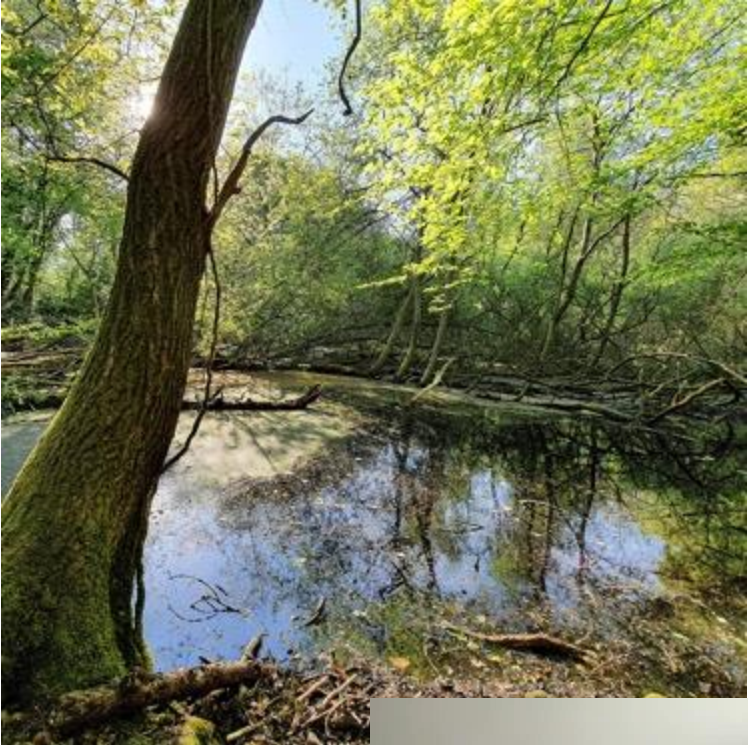
Renewable and Low Carbon Energy



Energy Efficient Buildings



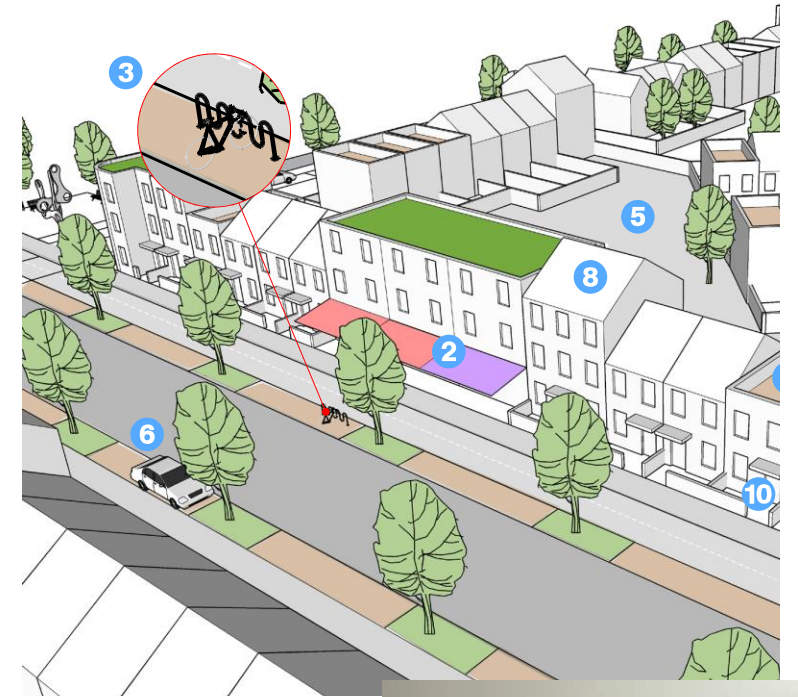
Multi-Functional Green Infrastructure



Sustainable Transport



Compact and Smart Growth



Waste and Recycling



Climate Change Adaptation

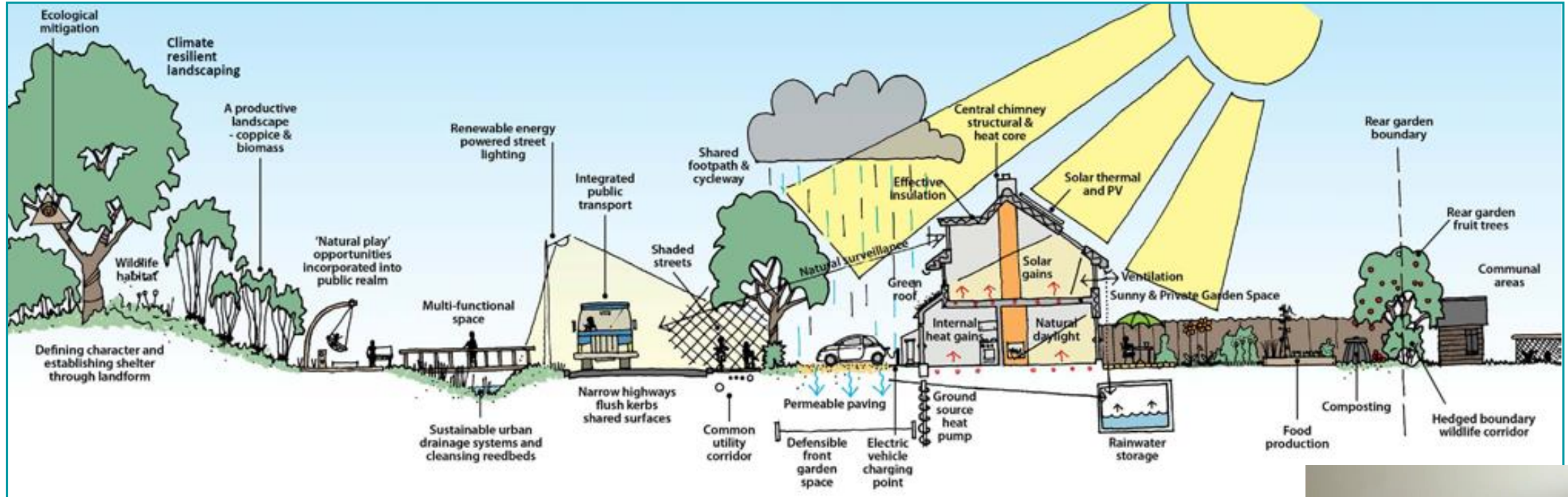


The Importance of Good Design

- At a site and building level design can deliver on energy efficiency through layout, orientation, thermal mass, daylight, fenestration and responses to the local microclimate
- The embodied energy of buildings is becoming more important as they become more efficient
- Good design can be secured through development plan policies and expanded on in supplementary guidance
- Design also includes strategic matters such as walkable neighbourhoods and cycling provision



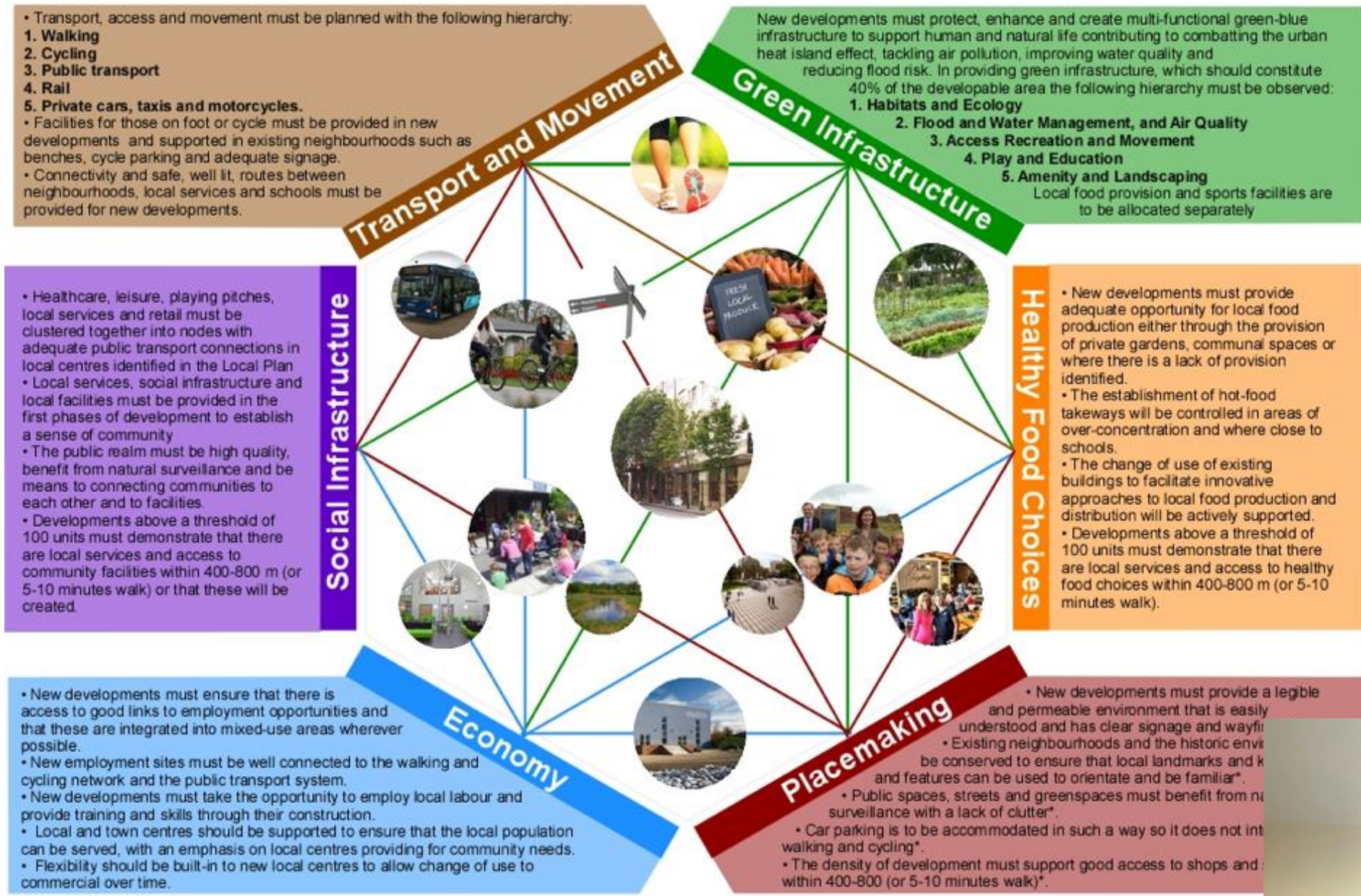
Bringing it All Together



Health and Wellbeing



HEALTHY NEW TOWNS - DESIGN PRINCIPLES



* Denotes measures that support a Dementia Friendly Environment



Sources of Guidance

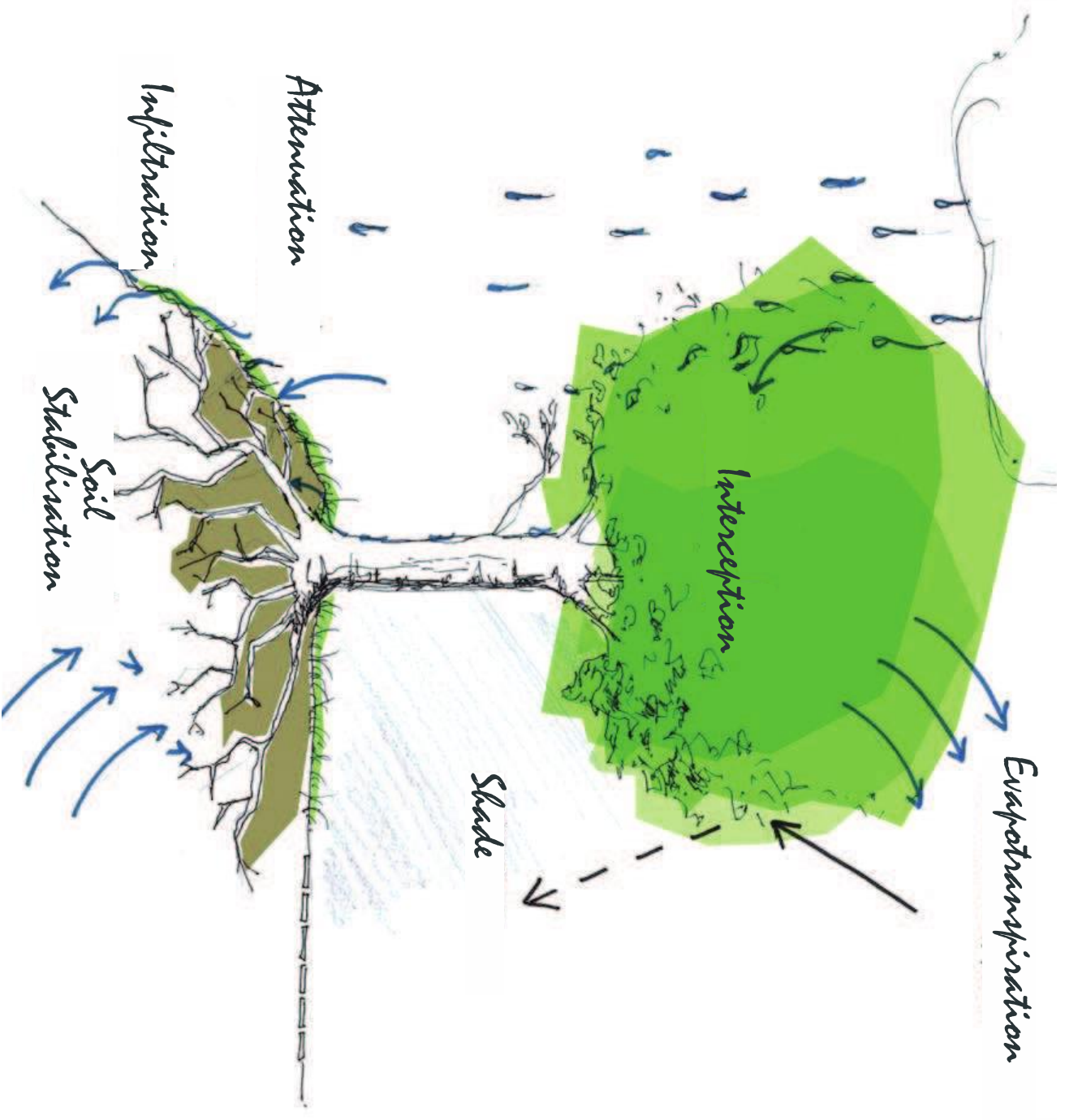


- Local Plan Policy Development
- The role of design guidance and SPD's
- Planning positively for renewable energy
- Energy masterplanning
- Case studies and exemplar projects



Towards Net Zero





One adult tree = five air conditioning units working 20 hours/day = 11.4kWh of energy saved per day, amounting to 500 euros of energy cost saving per year (assuming a yearly energy consumption of 1000 kWh/yr)



Green Smart Cities



Thank You!

Questions and Comments can be sent to
mail@crawshawurbandesign.com

